

TABLE 2-4

Analytical Methods and Detection Limits
for Groundwater Sample Parameters
San Fernando Valley Groundwater Monitoring Program

Parameter	Method	Target Detection Limit(a)
Volatile Organic Compounds (VOCs) including MTBE	Modified CLP ^a	(b)
Semivolatile Organic Compounds (SVOCs)	(d) Modified CLP	CLP ^c
Perchlorate	(e)	5.0 µg/L
Dissolved Metals	CLP ^f	CLP ^f
Hexavalent Chromium	(g)	0.5 µg/L
Chloride	300.0 ^h	1.0 mg/L
Sulfate	300.0 ^h	1.0 mg/L
Fluoride	300.0 ^h	0.1 mg/L
Nitrate/Nitrite	300.0 ^h	0.1 mg/L as N
Hardness	130.2 ^h	5.0 mg/L as CaCO ₃
Alkalinity	SM2320 ⁱ	2.0 or 20.0 mg/L
Total Dissolved Solids	160.1 ^h	20.0 mg/L
Total Organic Carbon	415.2 ^h	2.0 mg/L

^a Modified Contract Laboratory Program (CLP) procedures for lower detection limits.

^b Detection limits will be lower than CLP as specified in EPA Region IX SOP No. 305.

^c CLP procedures and quality control limits are defined in 1992 or latest statement of work (SOW) bid documents.

^d Modified CLP procedures as presented in EPA Region IX SOP No. 315.

^e Modified SW 486 Method 9056 procedures as presented in EPA Region IX SOP No. 531.

^f Water Quality Parameters for Multi Concentration Water, June 1993. EPA CLP Inorganics SOW (ILM02.1) or later statement of work and EPA Region IX SOP No. 507.

^g EPA Method 218.6 equivalent to SW 486 Method 7199.

^h U.S. EPA. Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, revised March 1993.

ⁱ Standard Methods for the Examination of Wastewater, 17th Edition (1989).